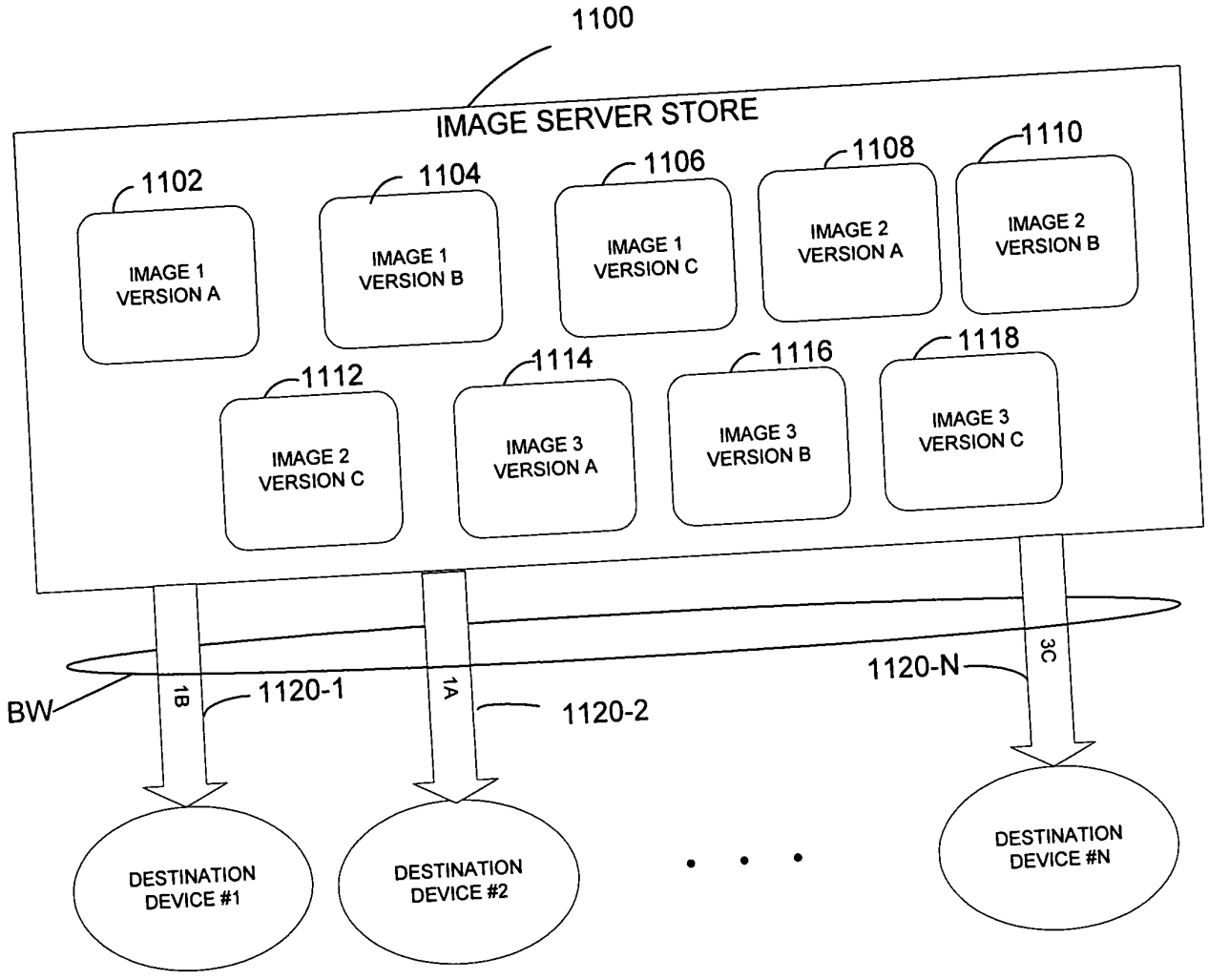


FIG. 1
PRIOR ART

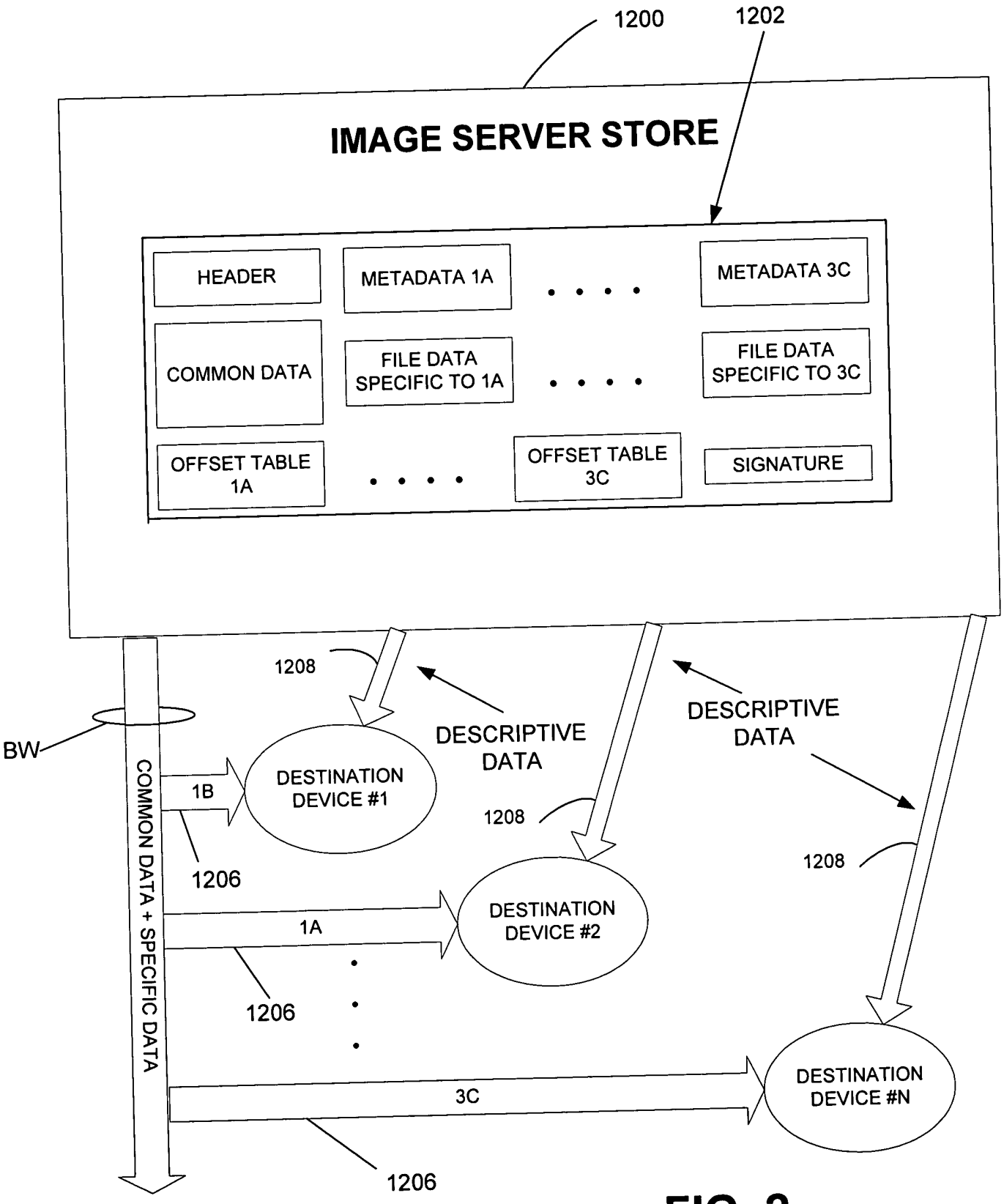

1200
1202
IMAGE SERVER STORE
HEADER
METADATA 1A
METADATA 3C
COMMON DATA
FILE DATA SPECIFIC TO 1A
FILE DATA SPECIFIC TO 3C
OFFSET TABLE 1A
OFFSET TABLE 3C
SIGNATURE
1208
DESCRIPTIVE DATA
DESCRIPTIVE DATA
BW
COMMON DATA + SPECIFIC DATA
1B
DESTINATION DEVICE #1
1206
1208
1208
1A
DESTINATION DEVICE #2
1206
3C
DESTINATION DEVICE #N
1206

FIG. 2

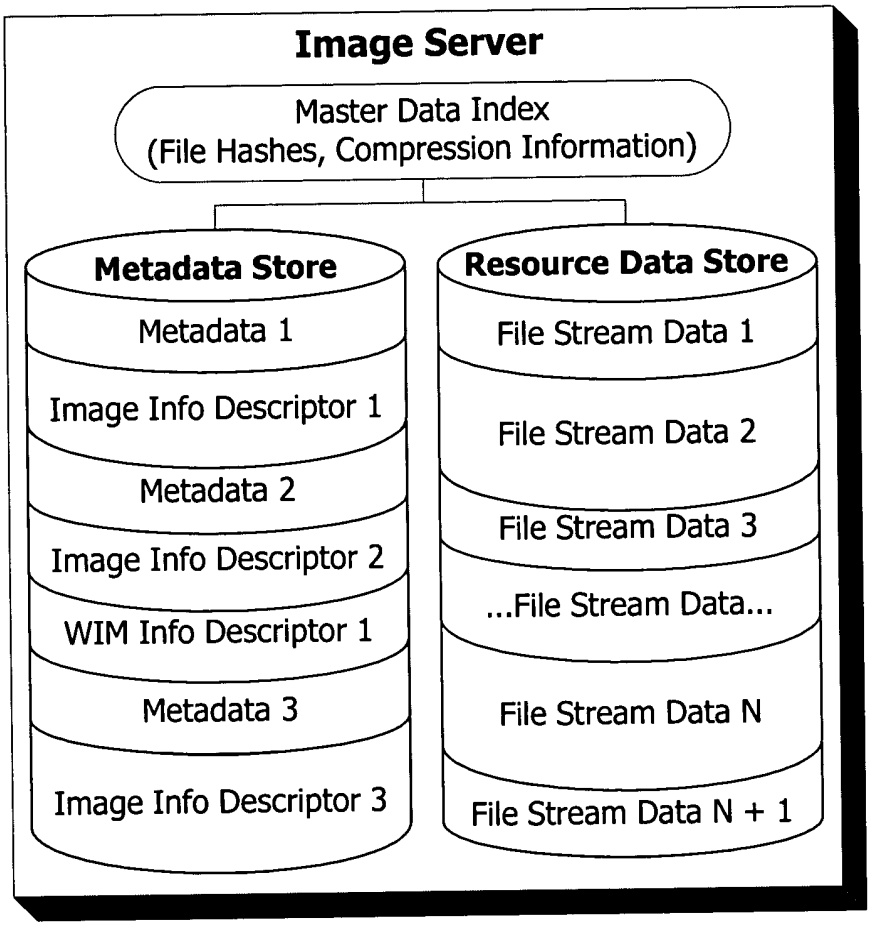


Image Server
Master Data Index
(File Hashes, Compression Information)
Metadata Store
Metadata 1
Image Info Descriptor 1
Metadata 2
Image Info Descriptor 2
WIM Info Descriptor 1
Metadata 3
Image Info Descriptor 3
Resource Data Store
File Stream Data 1
File Stream Data 2
File Stream Data 3
...File Stream Data...
File Stream Data N
File Stream Data N + 1

FIG. 3

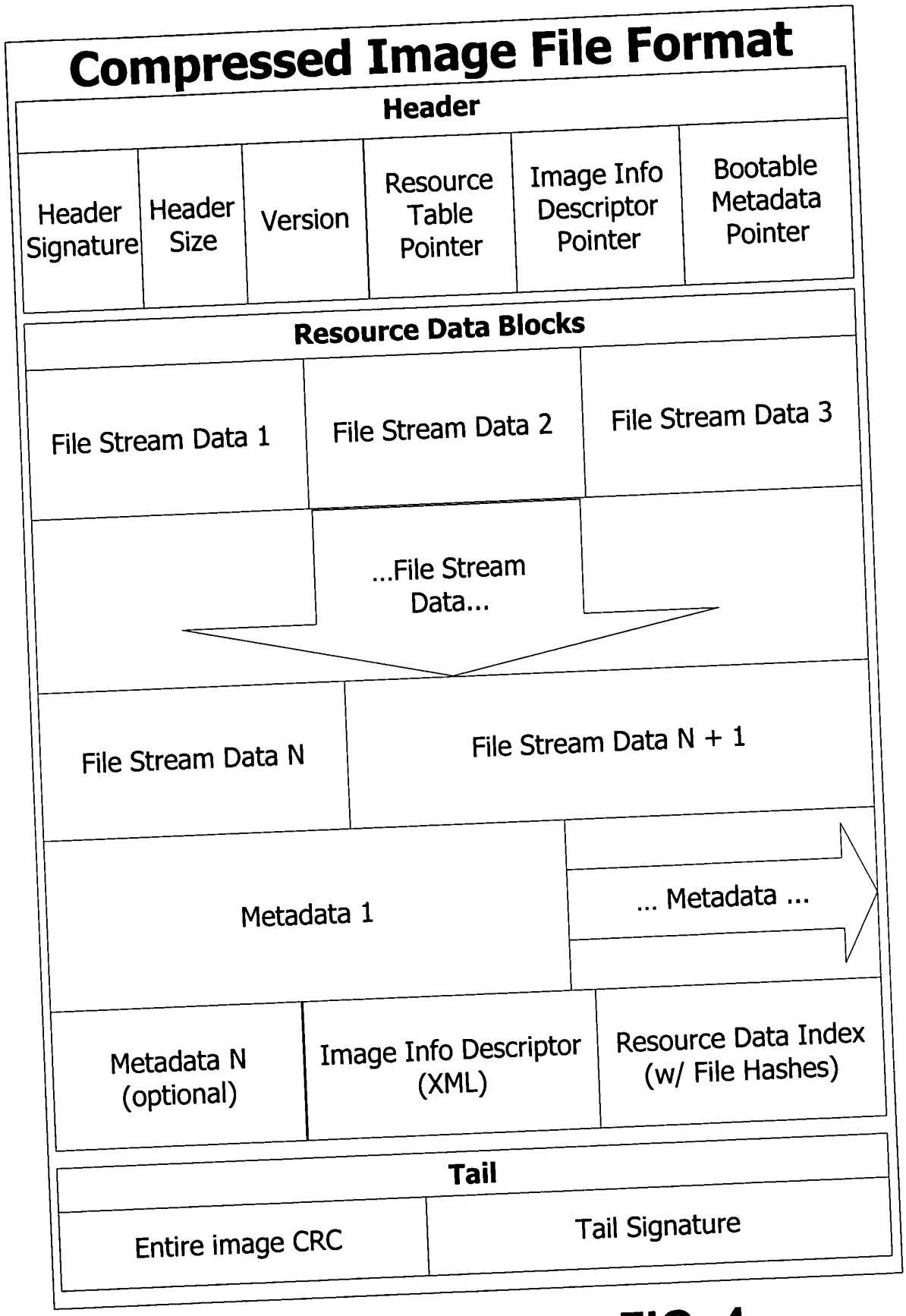

Compressed Image File Format
Header
Header Signature
Header Size
Version
Resource Table Pointer
Image Info Descriptor Pointer
Bootable Metadata Pointer
Resource Data Blocks
File Stream Data 1
File Stream Data 2
File Stream Data 3
...File Stream Data...
File Stream Data N
File Stream Data N + 1
Metadata 1
... Metadata ...
Metadata N (optional)
Image Info Descriptor (XML)
Resource Data Index (w/ File Hashes)
Tail
Entire image CRC
Tail Signature

FIG. 4

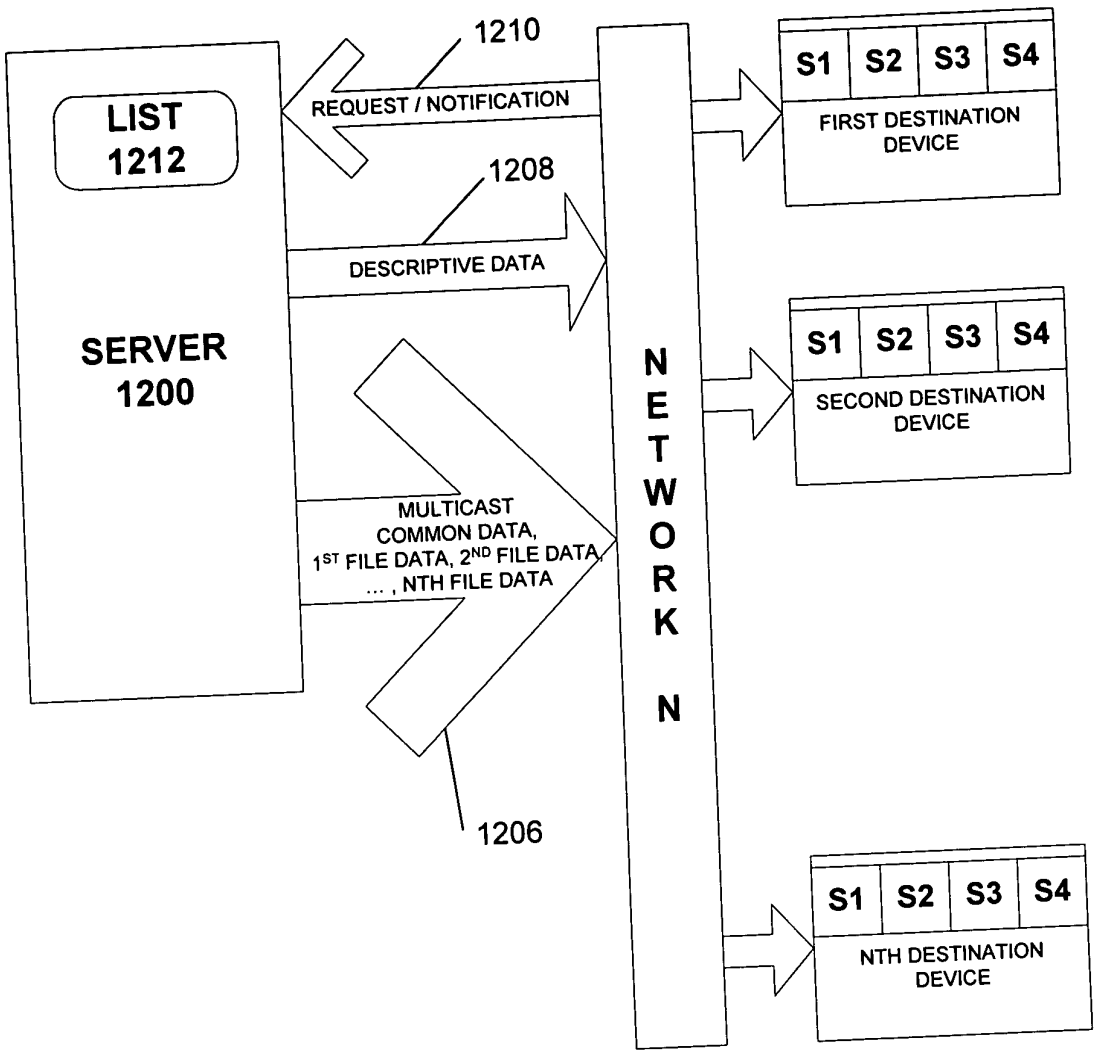
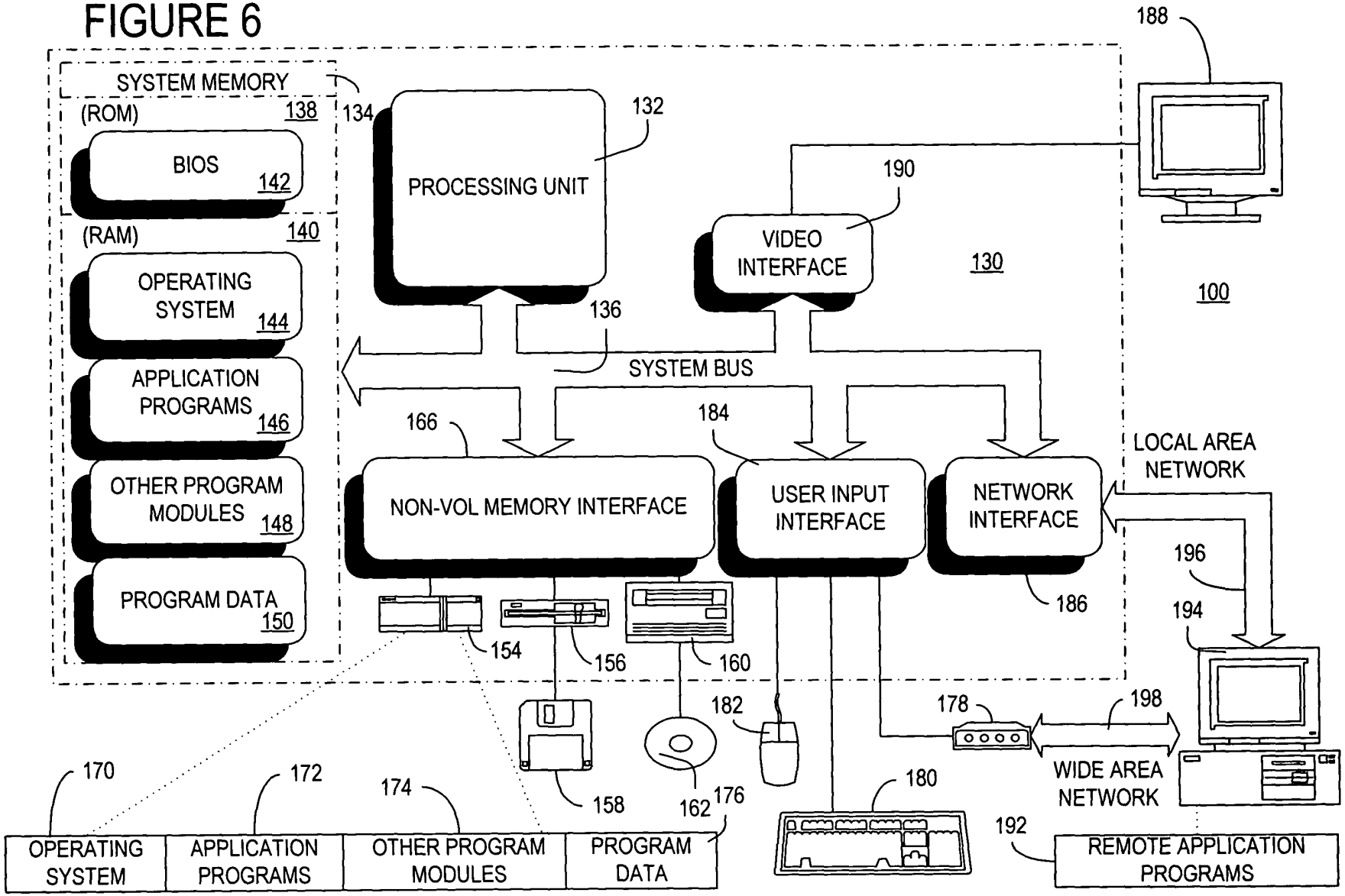

LIST
1212
SERVER
1200
1210
REQUEST / NOTIFICATION
1208
DESCRIPTIVE DATA
MULTICAST
COMMON DATA,
1ST FILE DATA, 2ND FILE DATA,
... , NTH FILE DATA
1206
NETWORK N
S1
S2
S3
S4
FIRST DESTINATION DEVICE
S1
S2
S3
S4
SECOND DESTINATION DEVICE
S1
S2
S3
S4
NTH DESTINATION DEVICE

FIG. 5

FIGURE 6


SYSTEM MEMORY
(ROM) 138
BIOS 142
(RAM) 140
OPERATING SYSTEM 144
APPLICATION PROGRAMS 146
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PROGRAM DATA 150
134
PROCESSING UNIT
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VIDEO INTERFACE
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130
188
100
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SYSTEM BUS
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184
NON-VOL MEMORY INTERFACE
USER INPUT INTERFACE
NETWORK INTERFACE
LOCAL AREA NETWORK
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196
194
154
156
160
182
178
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WIDE AREA NETWORK
158
162
176
180
192
REMOTE APPLICATION PROGRAMS
170
172
174
OPERATING SYSTEM
APPLICATION PROGRAMS
OTHER PROGRAM MODULES
PROGRAM DATA